BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of Work : Improvements to drain and Construction of Culverts at Thanisandra Govt school surrounding in ward no 07,Thanisandra Byatarayanapura Sub Division

Est Cost	:	**42.00 Lakhs**
P Code	:	**P-3726**

ಅಂದಾಜು ಪಟ್ಟಿಯ ವರದಿ

ವಿಷಯ: ವಾರ್ಡ್ ನಂ. 07(ಥಣಿಸಂದ್ರ) ವ್ಯಾಪ್ತಿಯ Improvements to Drains and Construction of Culverts at Thanisandra Govt School Surrounding in ward no. 07,Thanisandra Byatarayanapura Sub Division ಕಾಮಗಾರಿಗೆ ಅನುಮೋದನೆ ನೀಡುವ ಕುರಿತು.

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ವಾರ್ಡ್ ನಂ. 07(ಥಣಿಸಂದ್ರ) ವ್ಯಾಪ್ತಿಯ Improvements to Drains and Construction of Culverts at Thanisandra Govt School Surrounding in ward no. 07,Thanisandra Byatarayanapura Sub Division ಕಾಮಗಾರಿಗೆ ರೂ. 42.00 ಲಕ್ಷಗಳ ಅಂದಾಜು ಮೊತ್ತದಲ್ಲಿ 2022-23 ನೇ ಸಾಲಿನ ಆಯವ್ಯಯದ ಲೆಕ್ಕಶಿರ್ಷಿಕೆ ಪಿ-3726ರ ಕಾಮಗಾರಿ ಕ್ರಿಯ ಯೋಜನಾ ಪಟ್ಟಿಯಲ್ಲಿ ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಲು ಅವಕಾಶ ಕಲ್ಪಿಸಲಾಗಿದ್ದು, ದಿನಾಂಕ: 06.08.2022 ರಂದು ನಡೆದ ವಾರ್ಡ್ ಮಟ್ಟದ ಸಾರ್ವಜನಿಕ ಲೋಕೋಪಯೋಗಿ, ನಗರ ಯೋಜನೆ ಮೂಲ ಸೌಕರ್ಯ ಸ್ಥಾಯಿ ಸಮಿತಿ ಸಭೆಯ ನಡವಳಿ ವಿಷಯದ ಸಂಖ್ಯೆ. 178/2022-2 ರಲ್ಲಿ ಮಾನ್ಯ ಆಡಳಿತಗಾರರು ಅನುಮೋದಿಸಿರುತ್ತಾರೆ.

ಅದರಂತೆ ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬರುವ ಥಣಿಸಂದ್ರ ಸರ್ಕಾರಿ ಶಾಲೆ ಹತ್ತಿರ ಅಂಜನಾದ್ರಿ ಬಡಾವಣೆಯ ಅಡ್ಡ ರಸ್ತೆಯಲ್ಲಿ ಸಮರ್ಪಕವಾದ ಚರಂಡಿ ಇಲ್ಲದೇ ಇರುವುದರಿಂದ ಮಳೆನೀರು ಸರಾಗವಾಗಿ ಹರಿಯದೇ ರಸ್ತೆಗಳಲ್ಲಿ ನೀರು ಹರಿದು ಬರುತ್ತಿರುವುದರಿಂದ ಹೊಸದಾಗಿ ಆರ್.ಸಿ.ಸಿ ಚರಂಡಿ ನಿರ್ಮಾಣ ಹಾಗೂ ಅಡಿಗಾಲುವೆಗಳ ನಿರ್ಮಾಣ ಕಾಮಗಾರಿಯನ್ನು ಕೈಗೊಳ್ಳಲು ಸ್ಥಳ ಪರಿಶೀಲನೆ ಮಾಡಿ, ಅಗತ್ಯ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಈ ಕೆಳಕಂಡ ಐಟಂಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ.

1. ಆರ್.ಸಿ.ಸಿ ಚರಂಡಿ ನಿರ್ಮಾಣ ಮಾಡುವುದು
2. ಕಲ್ವರ್ಟ್‌ಗಳ ನಿರ್ಮಾಣ ಮಾಡುವುದು
3. ಪ್ರೀಕ್ಯಾಸ್ಟ್ ಕವರಿಂಗ್ ಸ್ಲಾಭ್‌ಗಳನ್ನು ಅಳವಡಿಸುವುದು
4. ಚರಂಡಿ ನಿರ್ಮಿಸಲು ಅಗೆತ ಮಾಡಿರುವ ಮಣ್ಣನ್ನು ಹೊರಸಾಗಿಸುವುದು ಹಾಗೂ ಇತರೆ ಅವಶ್ಯಕ ಅಂಶಗಳಿಗೆ ಅಂದಾಜಿನಲ್ಲಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಂಡಿರುತ್ತದೆ.

ಮೇಲ್ಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು PWD SR- 2021-22 ದರಪಟ್ಟಿ ದರಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ. ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಗೆ 2022-23ನೇ ಸಾಲಿನ ಅನುದಾನದ ಲೆಕ್ಕ ಶಿರ್ಷಿಕೆ ಪಿ-3726ರ ಅಡಿಯಲ್ಲಿ ಅನುಮೋದಿಸಿ, ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ, ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿ ಕಾಮಗಾರಿಯನ್ನು ತುರ್ತಾಗಿ ಕೈಗೊಳ್ಳಬೇಕಾಗಿರುವುದರಿಂದ ಟೆಂಡರ್ ಕರೆದು ಗುತ್ತಿಗೆದಾರರನ್ನು ನೇಮಿಸಿ ಕಾರ್ಯದೇಶ ನೀಡಲು ಈ ಮೂಲಕ ತಮ್ಮಲ್ಲಿ ಕೋರಲಾಗಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATRAYANPURA DIVISION

Name of Work : Improvements to drain and Construction of Culverts at Thanisandra Govt school surrounding in ward no 07,Thanisandra Byatarayanapura Sub Division

							Estimated cost Rs		4200000.00
Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
1	**Earth work excavation by manual means for drains,**canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m **(PWD SR 2021-22 Vol -I Pg 5 item No. 1.4.1)**								
a	**For Drain cross roads**	cum	3	130.00	1.10	1.00	429.00		
			1	28.00	1.10	1.00	30.80		
b	**For culverts**		5	6.00	1.50	1.00	45.00		
							504.80	204.60	**103282.00**
	Basic rate	186.00							
	Area weightage 10%	18.60							
	Total	**204.60**							
2	**Providing and laying in position plain cement concrete** for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates. Specification **(PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)**								
a	**For Drain cross roads**	cum	3	130.00	1.10	0.15	64.35		
			1	27.00	1.10	0.15	4.46		
b	**For culverts**		5	6.00	1.50	0.15	6.75		
							75.56	6327.20	**478052.00**
	Basic rate	5752.00							
	Area weightage 10%	575.20							
	Total	**6327.20**							
3	**Providing and laying in position Reinforced cement concrete** for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. **M20 (The cost of steel reinforcement & formwork to be paid separately) (PWD SR 2021-22 Vol -I Pg 17 item no 2.4.2)**								

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
a	**For drain - bottom**	Cum	3	130.00	0.90	0.15	52.65		
			1	27.00	0.90	0.15	3.65		
	side wall		6	130.00	0.15	0.60	70.20		
			2	27.00	0.15	0.60	4.86		
b	**For culvert -bottom**		5	6.00	1.50	0.15	6.75		
	side wall		10	6.00	0.30	0.60	10.80		
	For CD ramp		10	6.00	0.45	0.15	4.05		
							152.96	6893.04	**1054325.00**
	Basic rate	5968.00							
	Add 5% for Shuttering	298.40							
		6266.40							
	Area weightage 10%	626.64							
	Sub Total	6893.04							
4	**Supplying, Fitting and Placing TMT Fe550 bar R**einforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 (PWD SR 2021-22 Vol -III Pg 99 item no 13.1)								
	For Drain	Cum	Qty as per It No 3				**152.96**		
		kg	Steel assumed 60Kg/Cum of				9177.30		
		tonne					**9.18**	101387.00	**930459.00**
	Basic rate	92170.00							
	Area weightage 10%	9217.00							
	Sub Total	101387.00							
5	**Providing and Fixing pre cast covering Slab 100mm** thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. **(Data Rate)**								
	For drain	sqm	3	130.00	0.75		292.50		
			1	27.00	0.75		20.25		
	for Missing slabs		1	20.00	0.90		18.00		
			1	14.00	0.90		12.60		
							343.35	2072.00	**711421.00**
	Data rate	**2072.00**							
6	**Providing and Fixing Pre cast covering Slab 230mm t**hick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge**. (Data Rate)**								
	Culvert slabs	sqm	5	6.00	1.20		36.00		
	Data rate	5037.00					**36.00**	5037.00	**181332.00**
	Total								
7	**Loading and Unloading** of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1C)								
		Cum	From Item No.1				**504.80**	81.40	**41091.00**
	Basic rate	74.00							
	Area weightage 10%	7.40							

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
	Total	81.40							
8	**Cost of Haulage Excluding Loading and Unloading** Taking output 18 t load and lead 10 km = 180 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4B)								
	Qty frm Item No-5	t.Km					**504.80**	115.50	**58304.00**
	Basic rate	105.00							
	Area weightage 10%	10.50							
	Total	115.50							
								Total Rs	**3558266.00**
								GST Charges @18%	640488.00
								Miscellanous and rounding off	1,246.00
								Grand Total Rs	**4200000.00**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on, PWD SR 2021-22 Vol I, III and Data rates.

Assistant Engineer
BBMP

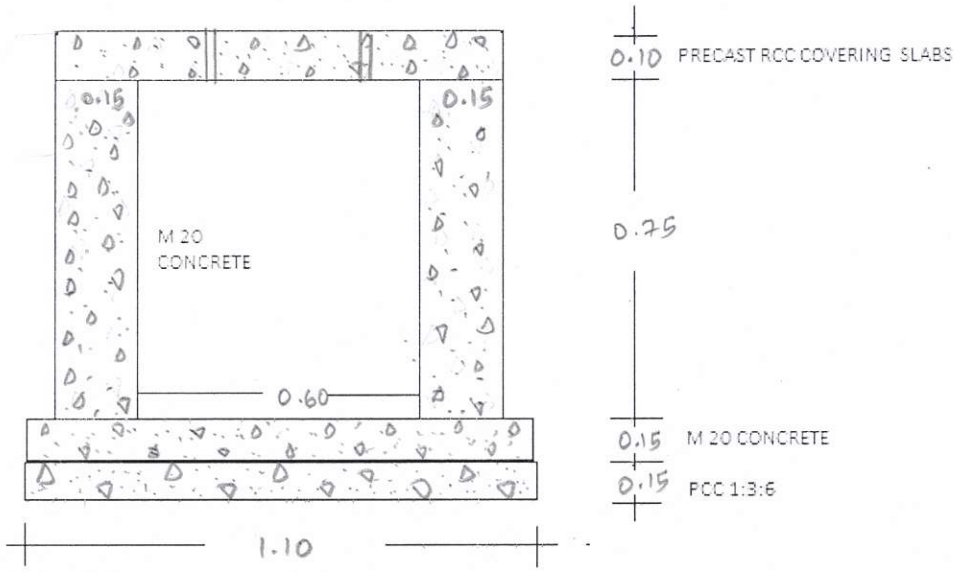
Assistant Executive Engineer
Byataraynapura sub Division BBMP

Executive Engineer
Byataraynapura Division,
BBMP
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ., ಬೆಂಗಳೂರು

Administrative Approved
Accorded For Rs. 42.00 Lakhs
Head of A/C P3726
CER NO 166 Dt: 16/9/22

Technical Sanction
Accorded For Rs. 42.00 Lakhs
Head of A/C P3726
CER NO : 166 Dt: 16/9/22

Name of work : Improvements to drain and Construction of Culverts at Thanisandra Govt school surrounding in ward no 07,Thanisandra Byatarayanapura Sub Division

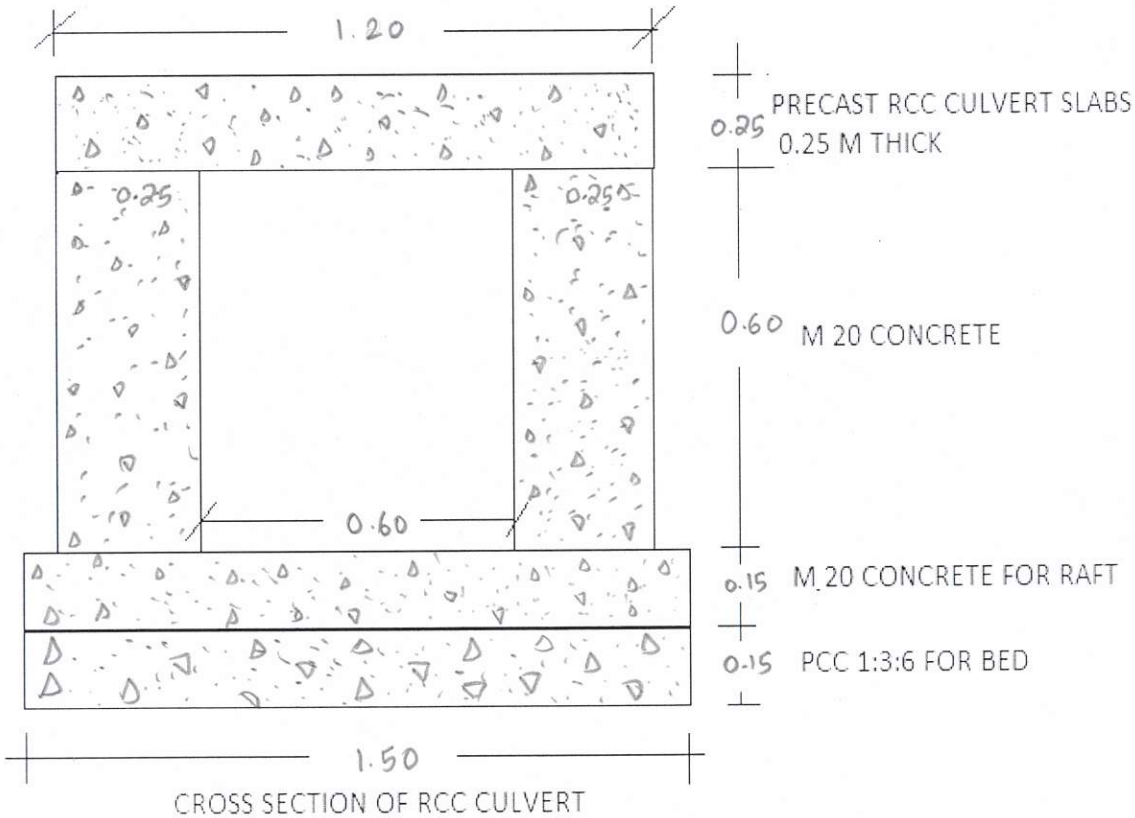


CROSS SECTION OF RCC DRAIN

Assistant Engineer
Ward no 07

Assistant Executive Engineer
Byataraynpura sub division

Name of Work : Improvements to drain and Construction of Culverts at Thanisandra Govt school surrounding in ward no 07,Thanisandra Byatarayanapura Sub Division

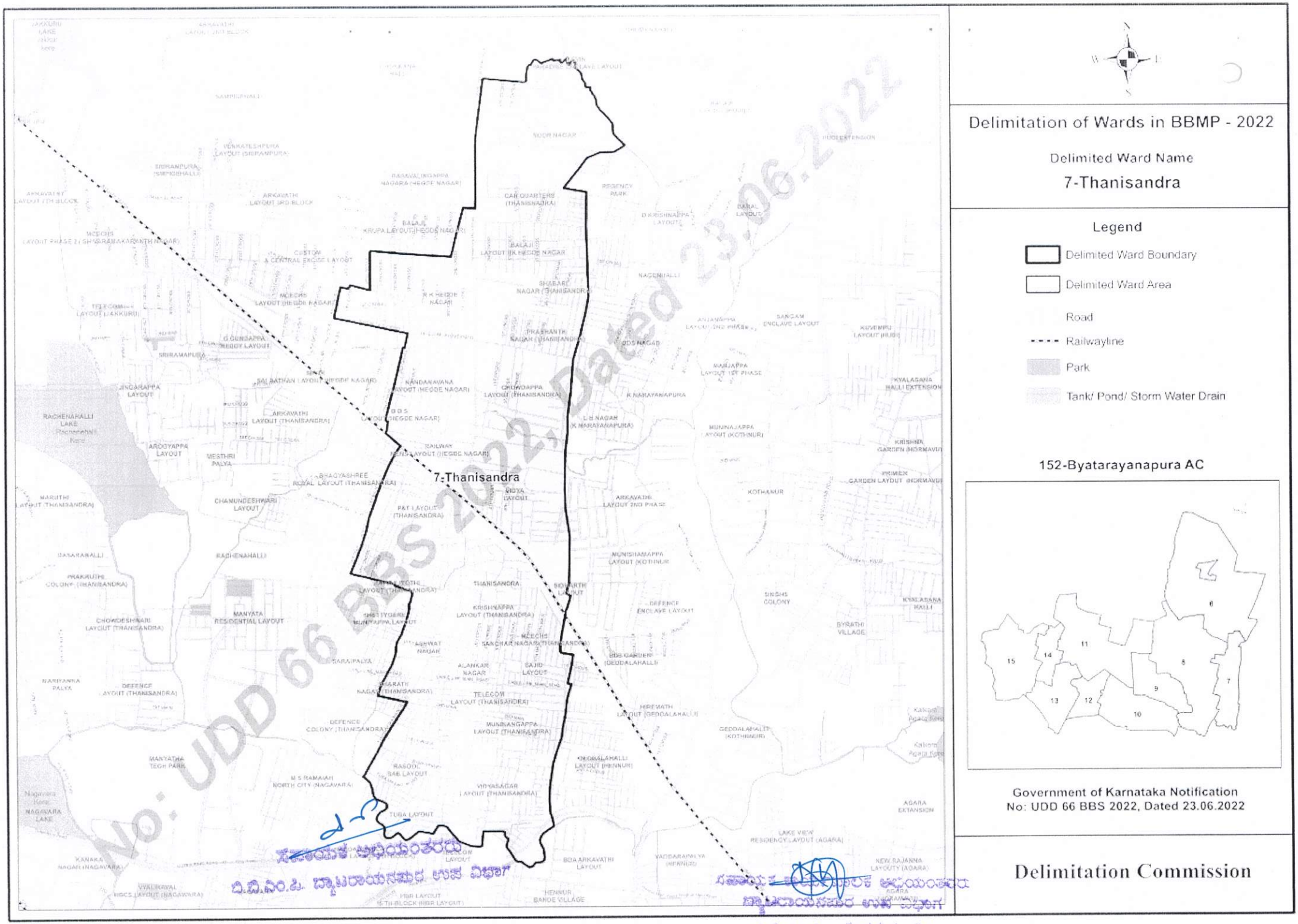


CROSS SECTION OF RCC CULVERT

Assistant Engineer
Ward no 07

Assistant Executive Engineer
Byataraynpura sub division

Name of Work : Improvements to drain and Construction of Culverts at Thanisandra Govt school surrounding in ward no 07,Thanisandra Byatarayanapura Sub Division


Delimitation of Wards in BBMP - 2022
Delimited Ward Name
7-Thanisandra
Legend
Delimited Ward Boundary
Delimited Ward Area
Road
Railwayline
Park
Tank/ Pond/ Storm Water Drain
152-Byatarayanapura AC
Government of Karnataka Notification
No: UDD 66 BBS 2022, Dated 23.06.2022
Delimitation Commission
7-Thanisandra
No: UDD 66 BBS 2022, Dated 23.06.2022

ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24